

Molybdenum Disulfide, a New Type of Lubricating
Medium, by G. Spengler. UNCLASSIFIED

GERMAN, per, VDI-Zeitschrift, Berlin, Vol XXVI,
No 17-18, 11 Jun 1954, pp 506-512.

NAVY Tr 1111/ReShips 566

251A0

Scientific - Chemistry

Mar 55 CTS/DMK

22,294

Polythion Disulphide as a Lubricant Experiment and
Application, by G. Spengler, 9 pp.

GERMAN, rev. V.D.I. Zeit., Vol XCVI, 1954, pp 683-687.

CI/722 2-282

sci - Fuels, chemistry

39,504

Accuracy of Measurements of Corrosion Damage
and of Wall Thickness by the Ultrasonic Method,
by A. Lutsch,

GERMAN, par, Zeit VDI, Vol XLVI, No 23, 1954, ..
pp 773-777.

23,140

Brutcher Tr No 3473
\$7.80

Scientific - Physics

APR
May 55 CTS

The Tropical Resistance of Cameras, by H. RAUSCHDT.

RESEARCH, Z. VDI. Vol. XCVI, No. 23, 1954, pp. 778-779.

TIL Tr 4737

Sci - Physics
Jan 58

57, 216

Fire Alarm Systems, by H. Dober, 14 pp

per.

GERMAN. / Z. Ver. Deut. Ing. Vol XCVI, No 24, Aug 21
1954, p. 802-807

SLA 57-1447

Sci-~~Research~~
Mar 58

Engineering

61,595.

62-18792

Knask, R.
COMPARISON BETWEEN GEAR-SHIFT AND
FOETTINGER TYPE TORQUE CONVERTER TRANS-
MISSIONS BASED ON MEASURED ROAD HORSE-
POWER (Vergleich Zursachen Triebwerkes mit Zahn-
radwechselgetriebe und Foettinger-Wandler auf Grund
Gemessener Fahrleistungen). [1962] [18p].
Order from SLA \$1.60

62-18792

Trans. of V[erein] D[eutscher] I[n]genieure]
Zeitschrift (West Germany) 1954, v. 96, no. 26,
p. 899-903.

DESCRIPTORS: *Passenger vehicles, *Transmissions,
Clutches, Gears, Automatic transmissions, Torque,
*Fuel consumption, Statistical analysis.

A set of statistics had become available, which had
been obtained in a series of test runs using city buses
(Machinery--Transport, TT, v. 9, no. 11) (over)

1. Knask, R.

Office of Technical Services

Bergsträsser, M.
STRESS COEFFICIENTS FOR SPUR GEARS WITH
20° INVOLUTE TEETH (Beanspruchungskoeffizienten
für Stirnradgetriebe mit 20° -Evolventenverzahnung).
[1962] [19]p, 9 refs.
Available on loan from SLA 62-18793

Trans. of Verein [Deutscher] [Ingenieure].
Zeitschrift (West Germany) 1954, v. 96, no. 28,
p. 946-950.

DESCRIPTORS: *Gears, Stresses, Deflection,
Pressure, Safety, Geometry, Failure (Mechanics).

The geometry of pairs of spur gears of interaxial
distance a_v leads to equations for the stress coef-
ficients, most readily expressed in terms of the radii
of curvature of the tooth flanks at the points of contact.
A natural tooth condition turns out to be that of least
maximum flank slip, under which the product of flank
(Machinery--Machine Parts, TT, v. 9, no. 1) (over)

62-18793

1. Title: Spur gears
1. Bergsträsser, M.

Office of Technical Services

Lateral Forces on Rolling Pneumatic Tires, by H.
Finke, 19 pp.

GERMAN, per, 3. Ver. Deut. Ing., Vol. XCVI, No. 27,
11 Oct 1954, pp 978-979.

OSIRO TR 3961
SLA Tr 57-819

For - Engineering

53,117

See 57

Water Bearings and Air Bearings With Pressure
Lubrication, by Fr. Gottwald.

GERMAN, per, Zeit, Veres Dants Ing, No 30, 1954,
pp 1005.

Navy Tr 1357/BuShips 593

Sci - Engineering

37,438

Aug 1956

Ibing, R.
FLOW OF SMOKE FROM STACKS OVER LEVEL
TERRAIN, tr. by Bertha P. Klenova. 22 Nov 55, 13p.
3 refs. [TVA no.] 3498.
Order from OTS or SLA \$1.60 60-23458

Trans. of Ver[em] Deut[scher] Ing[enieure].
Z[et]schrift [West Germany] 1954, v. 96,
p. 1085-1090.

DESCRIPTORS: *Power plants. Design. *Smokes.
Motion, Gas flow, Meteorology, Wind, Wind tunnel
models, Model tests.

In steam power plants the formation of smoke plumes
aside from topographic conditions depends upon the
direction of the wind, the height of the stack, and the
ratio of the emergent velocity of the smoke to the
velocity of the wind. According to available incom-
plete data, which were gathered in an extensive ex-
(Engineering--Mechanical, TT, v. 8, no. 2) (over)

60-23458

I. Ibing, R.
II. TVA-3498
III. Tennessee Valley
Authority, Wilson Dam,
Ala.

5-16-62

Office of Technical Services

Ceramic Cutting Tool tips Manufactured by
Porcellanwerk Neuhaus, 3 pp. (ID 1869638),
UNCLASSIFIED
GENSEN, per, Z. Ver. Dent. Ing, No 35, 11 Dec
1954, p 1172.

G-2, GSWA G-4257

Scientific - Engineering

Apr 55 CTS/DEX

23,377

Effect of Errors of Measurement on the Assessment of
the Degree of Dust Elimination, by R. Nagel.

GERMAN, per, Verein Deutscher Ingenieure Z, No 7,
1955, pp 17-23.

BISI 2618

Sci

Dec 62

Studies in the Theory and Application of Photo-
plasticity, by R. Hiltcher, 20 pp.

GERMAN, per; Z Verein Deutsch Ing, Vol XCVII,
No 2, 1955, pp 49-58.

R.A.E. Farnborough Tr 531

Sci - Engineering

39,359

The Walter System, a Method for the Production of
Driving Energy (Power), Fuels, and Thermodynamic
Principles, by E. Kruskal. UNCL

GERMAN, par, Verein Deutscher Ingenieure Z., Vol XCVII,
No 3, 1955,

Navy Tr 2833/BuShips 738

Sci - Engr
Jul 61

160,688

New Electrostatic Apparatus for
the Measurement of Dust Content, by E. Feifel,
R. Prochazka. UNCL

GERMAN, per, Z Verein Deutsch Ing, No 4, 1955,
pp 113-117.

British Iron and Steel Ind
(no number given)

Sci - Rngr
Sep 59

98,103

Profile Displacement Gears, by G. Niemann,
H. Winter, 29 pp. UNCLASSIFIED

GERMAN, per, Z Verein Deutsch Ing, Vol XCVII,
No 7, 1955, pp 185-232. CIA 9019077

ACBIL Tr 803

Sci -
Jul 58

67,656

Practical Experiences with the German Standards for
Gear Tooth Systems DIN 3960 to 3969, by W. Thiemig.

GERMAN, per, Z. Ver Dent Ing, Vol XLVII, No 7, 1 Mar
1955, pp 205, 206.

ASLIB-CPA3

Sci

Aug 59

95,292

The Calculation of Small Bevel Gears With
Cyclo-Palloid Teeth, by W. Krumme, 19 pp.

GERMAN, per, Zeit des Vers Daut Ing, Vol
XCVII, No 7, Mar 1955, pp 207-213.

CIA/FDD/Z-236

Sci - Engineering

35,484

Jun 1956

Efficiency Limits of Planetary Gears, by E. Alt,
GERMAN, per, Z. Ver Deut Ing, Vol ~~18~~ XCVII, No 7,
1 Mar 1955, pp 214-215.

ASLTB-00165

Sci

Aug 59

95, 270

Experience of Gear Testing Apparatus in Operation,
by W. Theinig, 10 pp.

GERMANY, per, Zeit Ver Deut Ing, Vol XCVII, 1955,
pp 221-223.

CIA/RID/8 2-231

Sci - Engineering

34,534

May 1956

Radial Sealing Rings: Shaft Packings, . 24 p.

GERMAN, per, Verein Deutscher Ingenieure Zeit,
1955, Vol XCVII, No 7, pp 226-230.

SLA 59-20043

Sci

Mar 60

Vol 3, No 1

110,924

The Walter System; Mechanical Components, by
E. Kruska, ^{12 ft} FOR OFFICIAL USE ONLY

GERMAN, per, Verein Deutscher Ingenieure Z,
Vol XCVII, No 9, 1955, pp 271-277.

Navy Tr 3091/BuShips Tr 739

Sci - Engr

191, 626

Apr 62

Formation of Lubricating Films. & Power Loss
and Limits of Damage in the Case of Gear
Wheels With Involute Tooth System, by G.
Wichmann.

GERMAN. Ann. Z. des Vereins Deutscher
Ingenieure. Vol. XCIII. No 10. 1955. pp 305
308.

CSIRO

196,448

Sci - Engr
May 60

A Contribution to the Investigation of the Cutting
Process, by T. Stropper.

GERMAN, per, Ver Deut Ing 2., Vol XCVII, 21 Aug 1955,
pp 329-330.

3

ASLIB-GB12

Sci

71,307

Aug 58

New Possibilities of X-Ray Penetration of
Steel, by G. Lang.

GERMAN, per, Zeit, VDI, Vol XCVII, No 11/12,
1955, pp 347-350.

TIL/T.4615

Sci - Minerals/Metals . 34, 454

May 1956

New Knowledge on Sifting Processes, Part I,
by W. Batei.

GERMAN, per, Verein Deutscher Ingenieure
Zeitschrift, Vol XXVII, No 1, 1955,
pp 393-400.

CSIRO

Sol - Engr
May 62

198,504

Turlich, A.
**THE RAFFLE MILL: A RECENT DEVELOPMENT
 IN THE FIELD OF DISINTEGRATING TECHNIQUES**
 [1963] 11p. (figs. omitted) 8 refs.
 Order from SIA \$2.60

63-18456

Trans. of V[ersta]l[D[isintegrat]i[on] [Seminars].
 Z[er]st[örung] [West Germany] 1963, v. 97, no. 15/16,
 p. 453-454.

DESCRIPTORS: "Milling machines, Minerals,
 Rocks (Geology), Fracture (Mechanics), "Industrial
 equipment, Design, Operation.

The raffle mill consists of a mill casing of welded
 construction in which a rotor, fixed with bending
 arms bent at the periphery, picks up the charge
 material (ores, minerals or rocks) and throws it
 against spirally suspended baffle plates. Upon impact
 (Machinery, Fabrications and Accessory Equipment,
 TT, v. 10, no. 12) (over)

63-18456

1. Title: Raffle mill
1. Turlich, A.
- II. Title: Recent ...

Office of Technical Services

Stem-Power Economy on Board Ship, by K. Illes.

GERMAN, ier, Ver Dext Ing Z., Vol XXVII, No 21,
Jun 1955, pp 541.

ASLIB-17

Sci

Jul 59

92.549

Prestressed Bolts in Steel Construction, by
O. Steinhardt.

GERMAN, per, Verein Deutscher Ingenieure Z,
Vol XCVII, No 21, 1955, pp 701-708.

CSIRO

Sci - Engr
Aug 62

211, 458

^a
Prefabrication in Shipbuilding, by R. Buttner.

GERMAN, per, Ver Dast Ing Z., Vol XXVII, No 1,
Aug 1955, p 753.

ASLIB-0817

Sci

Jul 59

92,495

Production and Use of Very High Temperatures, by
P. W. Lochte-Holtgreven, 9 pp.

GERMAN, per, Z Ver Deut Ing, Vol XCVII, No 23,
1955, pp 785-788.

SLA Tr 57-891

Sci - Physics

52,307

Sep 57

The Influence of Material Machine and Tool on the
Surface Finish of Tooth-Flanks. I - Method of
Measurement and Surface Roughness of Tooth Flanks,
by W. Hagen.

GERMAN, per, Zeit Ver Deut Ing, Vol XCVII, No 25,
1955, pp 849-859.

T.I.L. T.4660

Sci - Engineering

34,545

May 1956

Reduction of Drumming in Motor Vehicles, by
E. Ebert.

GERMAN, per, Ver Deut Ing Z, Vol XCVII, 1955,
pp 945-948.

ASLIB-QB57

Sci
Aug 58

SLG 100-3297

70,758

Admitted in the Blowers, by H. Kell.

GERMAN, Dr. Verein Deutsche Ingenieure,
U.S. # 17, 1955, IT 905-871 909.

CSIRO

Sol - Bure
Dec 61

175, 781

62-18467

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62-18467
62-18467

Trans. of Verein D[eutscher] I[ngenieur]e. Zeitschrift (West Germany) 1955 [v. 97, no. 29]
p. 1009-1011.

DESCRIPTORS: *Grinders. *Ball mills. Tests.
Friction. Brittle materials.

From tests using a model ball mill, especially test measurements of deciding friction and lift operating members, it was found that the grinding law formulated in 1867 by Rittinger for calculating the mechanical energy absorption, based on the weight of the grinding media, is not valid. For brittle material, it was shown that energy absorption varies with the square of the specific surface of the grinding medium. (Author)
(Machinery--Manufacturing, TT, v. 9, no. 5)

Office of Technical Services

Maladies Provoked by Exceptional Physical Effect,
by H. Koeppel.

GERMAN, per, Verein Deutscher Ingenieure,
Zeitschrift, Vol XXVII, 1955, pp 1055-
1061.

CSIRO

Sci - Med
May 62

198,505

The Influence of Laid-Out Green Spaces on the
Sound Level of Traffic Noise. Sound Absorption
by Planting Trees and Hedges, by F. J. Meister,
W. Ruhrberg.

GERMANY, per V.D.I. Zeit, Vol XCVII, No 30, 1955,
pp 1063-1067.

D.S.I.R./26937

EE - Germany
Economic
Apr 57 OTB/cax

46,693

Notes on Iron and Steelmaking Processes. Part 4,
Pig Iron and Steel Production, by G. Dalls. UNCL

GERMAN, per, VDI Zeitschrift, Nov 1955, pp 1111-1121.

British Iron and
Steel Ind 778A

Sci - Min/Met
May 59

85,779

Review of Iron and Steelmaking Practice: Part II
Rolling Mill Practice, by Sedlaczek.

GERMAN, per, Z VDI, Vol XCVII, 1 Nov 1955, pp 1121
1125.

Co-op Tr Sch Tr 778

EE - Germany
Econ
Sci - Engr
Feb 58

58,257

A New Testing Method for Circulating Lubricating
Oils by Dr. F. Eisenstecken.

GERMAN, per, Zeit des Vereines Deutscher Ingenieure,
Vol XCVII, No 35, 11 Dec 1955, pp 1279-1281.

NAVY Tr 1324/BuShips Tr 606

Sci - Engineering

May 1956

34,965

CIA/EX/2-1

Properties of Flame-Sprayed Zinc Coatings, by
E. Gebhardt, H. D. Sogheani

GERMAN, per, Z. Verein Deutsch Ing, Vol XXVIII,
No 2, 1956, pp 41-43.

Brutcher Tr 3751

\$5.60

Sci - Min/Metals
Sep 56 OTS

38,623

A Simple Photoelastic Procedure for Measuring
Thickness That is Used for the Complete
Evaluation of the Plane State of Stress on
Photoelastic Models, by H. H. Rucke.
GERMAN, per, ~~VII-Zeitschrift~~, Vol XCVIII, No 5,
1956, pp 165-170.
*Redstone Arsenal

Sci-Phys
Oct 64

The State of Development and Objectives of Aero-
nautical Research in Germany, by L. Brandt.

BRANDT, L., Z VDL, Vol XXVIII, No 5, 1935,
pp 181-190.

TIL Tr 4741

Sci & Aero
Jan 55

57,217

Investigations of Noise in Antifriction Bearings of
Electric Motors, by M. Unterberger,

ZEITSCHRIFT, per, 2. Ver. Dent. Ing., Vol. XCIVIII, No. 6,
1956, pp. 209-214.

ATS 605-GJ

Sci - Eng

207-10

124,949

Investigations of Noise in Toothed Gears, by
H. Zink.

GERMAN, per, Z VDI, Vol XCVIII, No 8, 1956,
pp 297-303.

DSIR/28140/CT

Sci - Engr
Feb 58

58, 745

The Measurement of The Gear-Tooth System on
Large Wheels, by E. Wagner, K. H. Weber.

GERMAN, per, V.D.I. Zeit, Vol XCVIII, 1956,
pp 304-308.
8

D.S.I.R./27543

Sci - Engineering
Apr 57 CTB/dex

46,427

62-18786

Linke, J.
COMPENSATION OF PULSATIONS IN CHAIN DRIVES
(Ausgleich der Ungleichformigkeit in Kettentrieben).

[1962] [12] p. 1 ref.

Available on loan from SLA

62-18786

Trans. of V[erein] D[eutscher] I[ngenieur]e. Zeitschrift
(West Germany) 1956, v. 98, 11 Mar, p. 308-310.

DESCRIPTORS: *Drive chains, Motion, Dynamics,
Velocity, Acceleration.

An analysis of chain motion in chain drives shows why
this motion is non-uniform, and makes it possible to
compute the dynamic forces which are involved in the
motion. Non-uniformity of chain motion can be sup-
pressed by means of a compensation drive, whose cam
form can be determined easily.

(Machinery--Machine Parts, TT, v. 8, no. 12)

I. Linke, J.

Office of Technical Services

Methods and Application of the Technical and
Scientific Research Film, by G. Wolf.

GERMAN, per, Z Ver Dtsch Ing, Vol XCVIII, No 10,
1956, pp 413-423.

D.S.I.R./27746/CT & D.S.I.R./27573/CT

Sci - Physics
May 57

48,298

Non-Uniformly Rotating Gear Drives, by
K. Schnarbach, 7 pp.

GERMAN, per, ~~Zeitschrift~~ VDI, Vol XCVIII, 1956,
pp 425-427. CIA 9041267

SLA 57-2852
ACRIL 4- 673

Sci - Engineering
Aug 57

50,593

New Form of Burner for Fuel Oil and Coal Dust
Firing, by A. H. Kuhlmann.

GERMAN, per, Verein Deutscher Ingenieure
?, Vol XCVIII, 1956, pp 837-839.

CSIRO

Sci - Fuels
Aug 62

211, 456

Investigations on the Boundary Friction of
Metals and Rubber at Higher Slide Velocities,
by H. L. Heikal.

GERMAN, per, VDI Zeitschrift, Vol. XCVIII, No 15,
21 May 1956, pp 842, 843.

Navy Tr No 1401/Buships 621

Sci - Engineering
Jan 57 OIS/OSK

43,138

Working Principles of Instruments for Measuring
and Gauging Surface Finish, by F. Seaboth, 19 p.

GERMAN, por, Verein Deutscher Ingenieure, Zeitschrift,
1956, Vol XXVIII, No 15, pp 869-874.

SLA 59-17177

Sci
Dec 59
Vol 2, No 6

104,048

Testing Steels as to Their Brittle Fracture
Sensitivity by Means of the Fatigue Bending Test,
by E. Rubo, 23 pp.

GERMAN, per, Verein Deutscher Ingenieure (VDI-Z),
Vol KCVIII, No 17, Jun 1956, pp 913-919.
9660536

ATIC MCL-562

Sci

Apr 61

149,337

West Methods for Anti-Friction Bearings, by
E. Landwehr, A. Witte.

GERMAN, PAT. Vol Zeitschrift, Vol XCIII, 1935,
pp 921-928.

52A 57-2452

ACIL Tr 917

ASCIBGB60

57,085

Sci - ENG
Dec 57

Determination of the Noise Level When the Level
Changes With Time, by G. Bobbert, R. Martin.

GERMAN, per, Z VDI, Vol XCVIII, No ⁹14, 1956,
pp 997-1002.

DSIR/29138/CT

Sci - Physics
Oct 57

53,891

The Walter System; Application, Part I, by
E. Kruska, [✓] FOR OFFICIAL USE ONLY

GERMAN, per, Verein Deutscher Ingenieure Z.,
Vol XCIII, No 21, 1955, pp 709-713.

Navy Tr 3092/BuShips Tr 740

Sci - Engr

Apr 62

191,603

Industrial Testing Of Light Gauge Sheets By Means
Of Ultrasonics by H. Beuse and H. Hartwig.

GERMAN, per, Verein Deutscher Ingenieure. Zeitschrift,
Vol XCVIII, No 20, 1956, pp 1057-1061.

CSIRO

Oct. 62

Influence of Form and Flow Around Motor Vehicles on
the Resistance, Traction and Maintenance of Direction
of Travel, by R. Barth, 42 pp.

GERMAN, por, Z Verein Deutscher Ingenieure, Vol
XCVIII, No 22, ~~1956~~ 1956, pp 1265-1275.

SLA 59-10902

Sci -
Sept 59
Vol 2, No 2

97,595

The Walter System; Application, Part II, by
G. Kruaka, 10 pp. FOR OFFICIAL USE ONLY

GERMAN, per Verein Deutscher Ingenieure Z,
Vol ~~XVII~~ XCVII, No 24, 1955, pp 823-829.

Navy Tr 3093/BuShips Tr 741

Sci - Engr

Apr 62

191, 604

Automatic Measurement and Recording of Quasistatic
Strains by Means of Vibrating String Strain Gauges
and Electronic Frequency and Time Counters, B.
G. Rohrbach, 18 pp.

GERMAN, per, Ver Deut Ing, Vol XCVIII, No 26, 17
Sep 1956, pp 1541-1543.

SIA 57-3005

Sci
Aug 58

71 340

Photo-Elastic Freezing in Experiments,
by M. Kufner.

GERMANY, per, Verein Deutscher Ingenieure,
Zeitschrift, Vol XCVIII, 1956, pp 1683-
1691.

CSIRO

Sci - Phys
Jun 62

199,582

On the Hydrodynamically Determined Thrust and
Torque Fluctuations in the Propelling Machinery
of Ships, by S. Schuster. UNCLASSIFIED

GERMANY, por, 2 des Versins Deutscher Ingenieur.
Vol XCVIII, No 32, 1956, pp 1789-1794.

Navy 2124/T-275

DTMB

Sci - Engr

Mar

May 59

86,473

Hydrofoil boats. Their Development, theory and application, by H. Schertel.

GERMAN, per, Verein Deutsch Ing. Vol XXVIII, No 36, 1956, pp 1955-1965.

Natl Res Council, Canada
TT No 723

Sci - Engr

Mar 60

111,279

1956-1957 Report of the German Association of
Engineering and Scientific Societies, 37 pp.
UNCLASSIFIED

GERMAN, per, Verein Deutsche Ingenieure, 1957,
Encl to IR-57-58, USAF, ATI Dir.

AF 1160965

Sci - Eng
Apr 58

61,814

The Load and Lifetime of the Gas Turbine, by N.
Gasparovic. UNCLASSIFIED

GERMAN, per, VDI, Zeit, Vol XCIX, No 1, Jan 1957,
pp 23-25.

Navy 2771/BUSHIPS 709

Sci - Engineering
May 61

112 65-111

150,491

Dynamic Forces in Gear Teeth. Part I, Test
Results Dealing with the Effect of Speed,
Load, Tooth Inaccuracies and Mass on the
Additional Dynamic Tooth Forces, by G. Nitz-
mann and H. Rettig, 44 pp.

GERMAN, per, VDI Zeitschrift, Vol XCIX, No
3, 21 Jan 1957, pp 89-125.

BLA 57-3298

Sci

Aug 58

72,379

Investigation Into Flange Seals, by K.
Trutnovsky, 1 p.

GERMAN, per, Verein Deutscher Ingenieure, Z.,
Vol XCIX, 1957, pp 195-196.

CSIRO

Sci
Nov 61

Measurement of Dynamic Processes in Gears,
by E. Thiel.

GERMAN, per, Verein Deutscher Ingenieure,
Zeitschrift, Vol XXIX, No 6, 1957,
pp 231-237.

OSIRO

Sci - Engr
May 62

196,437

Colloidal Graphite and Its Influence on Friction
and Lubrication, Particularly in Internal Combustion
Engines, by J. U. Augustin, A. M. D'Ans.
UNCLASSIFIED

GERMAN, per, Verein Deutsch Ingen 2, Vol XCIX,
No 7, 1957, pp 274-279.

RAE Farnborough Tr 707

Sci - Eng
Jun 58

64,521

Packaging for Cameras, for Export, Their
Transport Containers and Maintenance in Humid
Tropical Countries, by M. Rauschert. UNCLASSIFIED

GERMAN, per, Z Verein Deutsch Ing, Vol XCIX,
No 8, 1958, pp 325-328.

DSM/32385/CT

Sachson/Engl

Oct 58

ENR - Germany

2200

75, 77

R-359-//

A.

Raketentriebwerke

GERMAN, per, VDI 2, Vol XCIX, No 9, 1957, pp 369-372.

*JPRS for ARGMA

Sci - Nuc Phys; Space Res

27 Jul 60

Reducing the Radial Clearance and the Contraction
Strain with Very High Speed Anti-Friction
Bearings, by Kartheins Kunert, 24 p.

GERMAN, per, Verein Deutscher Ingenieure Zeit,
1957, Vol XXIII, No 13, pp 587-591.

SLA 79-20845

Sci
Apr 60
Vol III, No 2

113,553

Fine Vacuum Pumps According to the T Roots Principle, by H. G. Holler, R. Thees.

GERMAN, per, Verein Deutscher Ingenieure Z,
Vol XCIX, 1957, pp 613-619.

CSIRO

Sci - Engr
Aug 62

211, 457

A Method for Calculating Roots, by B. Springer,
3 pp.

GERMAN, per, Ver Deutsch Ing Z, Vol XCIX, No 14,
11 May 1957, pp 623.

SLA 57-1979

Sci

May 58

63,111

Heat Transfer From the Unilaterally Heated Horizontal
Shaft, by Karsten Meiners, 25 p.

GERMAN, per, Verein Deutscher Ingenieure, Zeit, 1957,
Vol XCIX, No 15, pp 667-671.

SLA 59-20149

AEC IGIS-12(RD/R)

109,597

Sci
Mar 60
Vol 2, No 11

Patent Searching With Machine-Punched Cards, by
W. Heimerdinger, E. Meyer, 34 pp. UNCLASSIFIED

GERMAN, per, Verein Deutscher Ingenieure Z.
Vol XCIX, No 19, 1 Jul 1957, pp 821-828.

Dept of Commerce
Patent Office
Sci Lib (gift)

58,624

Sci - Eng
Feb 58

R-359-N

C. Raketenantriebe, by R. H. Von Reichel

GERMAN, per, VDI Z, Vol XCIX, No 31, 1957,
pp 1587-1591.

*JPRS for ARGMA

Sci - Nuc Phys; Space Res

27 Jul 60

The Syrian Economy, by Adolf Reisser, 8 pp.

GERMAN, per, VDI 2, Vol XCIX, No 32, Nov 1957,
Encl to Ser NO 924-57, NA, Bonn.

ONI Tr 5036919

NE/A - Syria

WE - Germany

Econ - Industrialization, Foreign Trade

Jan 58

57,930

Shipbuilding and Marine Engineering, by Johannes
Hansen. UNCLASSIFIED

GERMAN. per, VDI Zeitschrift, Vol XXXII, 11 D c
1957.

Navy Tr 1684/ONI 158

SEur - Germany
Econ

Sci - Engr

May 58

62,864

Steam Turbines for High Steam Temperatures and
High Steam Pressures, by Bre necke, Schinn.
UNCLASSIFIED

GERMAN, per, VDIZ, (Verein Deutscher Ingenieure Z),
1957, pp 1165-1171, 1233-1244, 1275-1284, 1335-1342,
1611-1620.

Henry Bratcher Tr

M. d. O. J.

Sci - Eng
Apr 58

62,587

The Strength of Metal Bonded Joints, by K. Wollinger,
V. Rembold.

GERMAN, per, Zeit VDI, Vol C, No 2, 1958, pp 41-46.

RAE Tr 771

Sci - Minerals/Metals
Jul 59

92, 201

The Rolling of Continuous Welded Billets, by
A. E. Lendl, R. Preissler.

GERMANY, per, Verein Deutscher Ingenieure
Zeitschrift, Vol C, Feb 1958, pp 165-171.

NDI 3253

Sci - Engr
Aug 63

342,151

Appropriate Depth of Hardening in
Surface Hardening Gear Teeth, by H.
Glaubitz. UNCL

GERMAN, per, VDI Zeit, 21 Feb 1958, pp 216-226.

BISI 1342

(LB 15e.03.)

Sci - Engr
Feb 60

109,461

Surface Hardening of Gears, by E. Hohns.

GERMAN, per, Verein Deutscher Ingenieure Z,
21 Feb 1958, pp 241-248.

BISI 1343

Sci - Engr

Aug 60

124,050

Continuous Rolling of Welded Billets, by A. E. Lendl,
R. Pressler.

GERMAN, per, Verein Deutscher Ingenieure Zeitschrift,
~~XXX~~ Vol C, No 5, 1958, pp 165-171.

~~4~~BISI 3253

Sci - M/M

May 68

Das Steinbauer Frost Indicating Disc, a
Simple Device for the Frost Protection
of Crops, by P. Lehmann. UNCL

GERMAN, per, 2 Verein Deutsch Ing, Vol C,
No 9, 1958, pp 357-359.

DSIR 33997/CT

Sci - Geophys, meteorology
Mar 59

83,366

Experiments on the Evaporation of Thin
Films of Liquid, by R. Bressler.

~~united, for, Verein Deutscher Ingenieure
Zeitschrift, Vol C, 1958, pp 630-658.~~

CSIRO/No 5860

Sol-Gel
May 63

234,416

The Acoustic Fields Generated in Solid Bodies
by Pulse-Excited Ultrasonic Generators, by P.
Rieckman, P. Linhardt.

GERMAN, per, Verein Deutscher Ingenieure;²
Vol C, No 18, 1958, pp 778-780.

TIL T 5066

Sci - Engr

Jan 61

137,380

Development of Coaldust-Fired Air Heater, by
Karl Bommert,

GERMAN, per, VDI Zeitschrift, Vol C, No 20, 1958,
pp 841-850.

Dept Int
EN7 E57 No 363

Sci - Engr
23 Mar 61

143,682

A New Kind of Mercury Rotation-Transmitter for
Measuring Purposes, by C. Rohrbach,

GERMAN, per, VDI-Zeitschrift, Vol C, No 228, 1958,
pp 1041-1045.

NASA TT F-8042

Sci
Sep 61

USIRO 168,678

US GOV'T ONLY

A.C.S.I.B. In 1285
(9200635)

Investigations on Flange Couplings and Seals,
by E. P. Boon, H. H. Lok.

GERMAN, per, Verein Deutscher Ingenieure,
Zeitschrift, Vol C, No 34, 1958, pp 163-164.

16112

C.S.I.R.C.

(DC REX-171)

Sci-Engr

May 60

115,945

Evaluation of Tests Determining the
Resistance to Tropical Conditions,
by M. Rauschert, 10 pp.

GERMAN, per, VDI Zeitschrift,
Vol C, No 36, 1958, pp 1717-1719.

SLA 60-16255

Sci
Mar 62
Vol IV, No 2

188,847

Cementing of Steel With Plastic Adhesives,
by K. Moehler. UNCL

CHRON, per, Verein Deutsch Ing E, Jan 1959,
pp 1-8.

RIMI 1648

(16.04.04.)

Sci - MIA/Mrs
May 60

115,651

Computation of Strain in Non-Circular Pipes Under
Internal Pressure. Part 1. The originally
cylindrical pipe, by K. Schmidt.
GOSMAN, per, Ver. Dzh. Ing. Zash, Vol 101,
No 2, Jan 1959, pp 47-54.
UKARA (Leon Only)
Riley.Tr 1960

331,051

Sci

High Pressure Centrifugal Pumps With a Single
Stage, by R. Rossen,

GERMAN, per, VDI, Zeitschrift, Vol CI, No 2, 1959,
pp 63-67.

*AEC

Sci *Engl*
Apr 60

Computation of Strain in Non-Circular Pipes
Under External Pressure. Part 2. The Originally
Elliptical Pipe, by E. Schmidt.

CHENAN, per, Weg. Inst. Ing. Zeit., Vol 101, No 4,
1959, pp 126-130.

UNARA (Loan Only)

Dislay Tr 1239

331,050

Sci -

Aug 67

Computation of Curved Flexible Springs, by
Joachim Palm, Klaus Thomas, 27 pp.

GERMAN, per, Verein Deutscher Ingenieure
Zeitschrift, Vol CA, No 8, 1959, pp 301-308.
I

SLA 60-14551
1

Sci
Feb 62
Vol III, No 11

182,824

Lubrication and Testing of Lubricants at Elevated
Temperatures, by A. Bartel.

GERMAN, per, Verein Deutscher Ingenieure 2,
Vol 61, No 8, 1959, p 318.

BISI 2862

Sci - Engr

204,650

Jul 62

list 141